



# Pathway to Energy Improvements

## Updates on the Energy Conservation Audit and Disclosure (ECAD) Ordinance

Debbie Kimberly  
V.P. Customer Energy Solutions | Austin Energy  
August 14, 2014





# Austin's Energy Disclosure Law

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- Lead the nation to reverse the negative impacts of global warming
- Increase participation in energy efficiency improvements
- One of only 5 cities to implement benchmarking and disclosure
- Today 5 additional cities are in implementation of similar laws
- Seeking conversions from energy audit to rebate participation



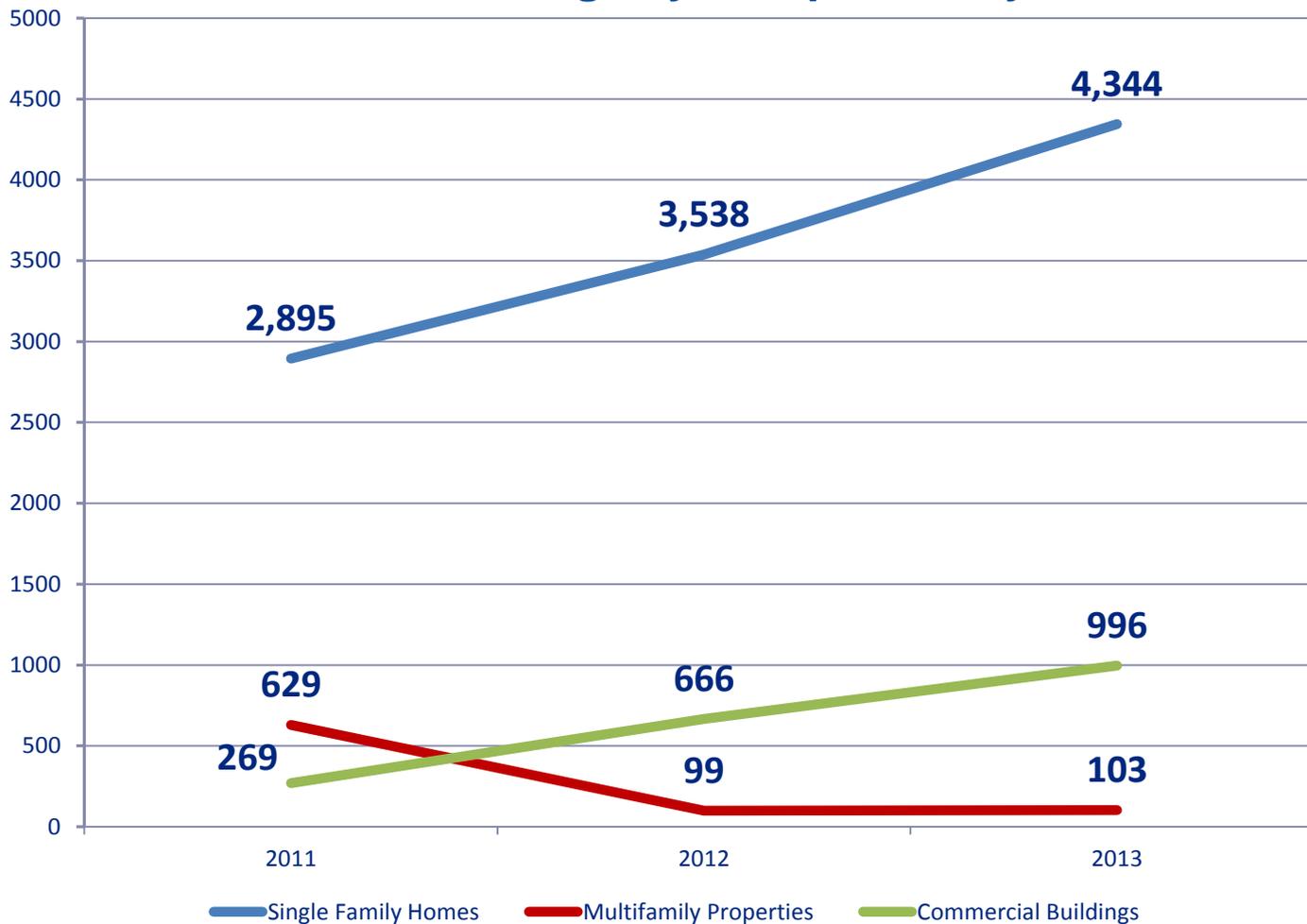




# All Market Classes

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## Total Buildings by Compliance by Year

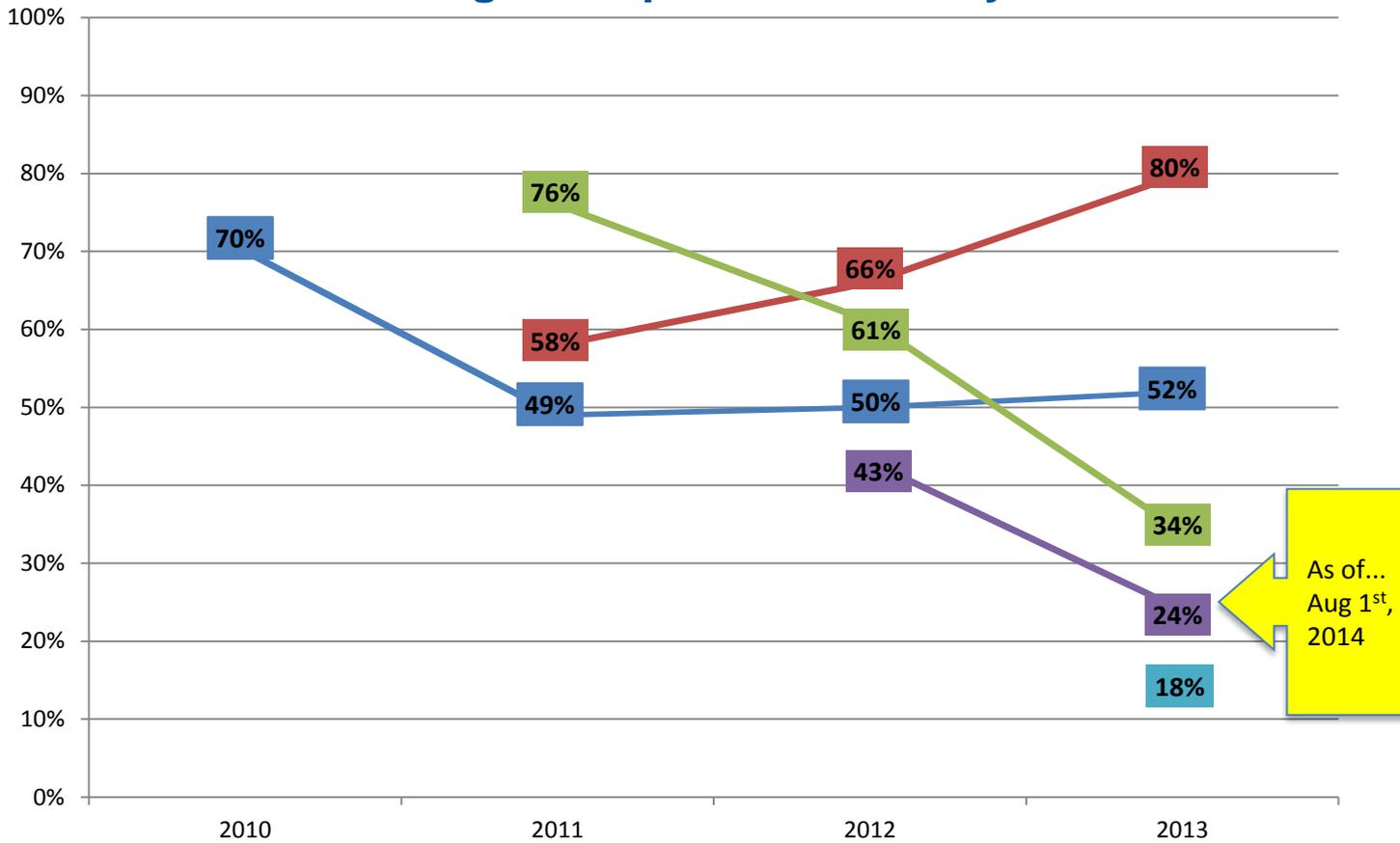




# All Market Classes

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## Percentage Compliance Rates by Year



As of...  
Aug 1<sup>st</sup>,  
2014

— Residential — Multifamily — Commercial - Tier 1 — Commercial - Tier 2 — Commercial - Tier 3





# 2014 Commercial Results

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## Market transformation

- Current Statistic's for 2013 Compliance

	Tier 1 over 75K sqft	Tier 2 between 30K and 75K sqft	Tier 3 between 10K and 30K sqft
Total Buildings	774	1,045	1,980
Buildings Reported	263	261	389

\* As of August 1, 2014

- Commercial Letter Outreach Campaigns:
  - November 2013: Sent out Reminder & Notifications to ALL Tier 1, 2 and 3 property owners
  - July 2014: Sent out 438 “Thank You” letters for compliance, 1,658 Non-compliance letters and 295 Partial compliance letters to remind about annual reporting.





# 2014 Commercial Results

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## Market transformation

- AE Sponsored Commercial Workshops:
  - AE provided 10 public events
- Local Service Providers:
  - Increased energy professionals from 9 to 17
- Updated ENERGY STAR® online video
- City Buildings is over 84%
  - Working with City Facility Management to benchmark ALL City Buildings.





# Challenges

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## Market transformation

- Austin the first nationally focusing on all sectors
  - Energy reductions linked to building performance
  - AE shifting customers' way they use and think about electricity
    - Community awareness
      - Education
      - Tools and usage apps
    - Participation in AE programs





# ECAD Multifamily Successes

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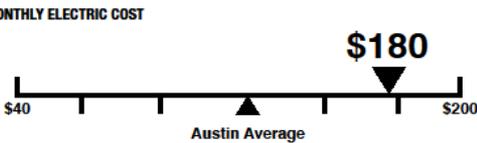
Austin City Code Chapter 6-7, Energy Conservation

**2013**

## NOTICE OF HIGH ENERGY USE PROPERTY

1234 APARTMENT AVENUE, AUSTIN, TX 78700

**ESTIMATED MONTHLY ELECTRIC COST**



Austin Average

**\$180**

**THIS PROPERTY**

This graph above represents the range of electric costs for Austin properties of a similar type to this one.

This property is:

- all electric
- built in 1986
- 800 sq. ft. average apartment size

Cost information:

- is based on this facility's average size apartment,
- based on a cost of \$0.10 per kWh, and
- is updated annually.

**1,800 kWh**

**ESTIMATED MONTHLY ELECTRIC USE**

**YOUR BILL**

Your actual bill will depend on many factors:

- Weather (bills are higher in extreme heat and cold – especially if electric heat is used),
- Thermostat settings,
- Number of occupants,
- Lifestyle habits,
- Size and location of unit (upper floors and south and west facing units are generally warmer),
- Energy efficiency measures in place, and
- Age and type of heating/cooling equipment.

This property uses 15 % more energy per square foot than an average multi-family property in the Austin area. This may result in a higher electric bill than would be incurred in a similar unit in an average energy use property.

For details about energy use per square foot for Austin multi-family properties, visit [austinenrgy.com/go/ECAD](http://austinenrgy.com/go/ECAD), call 482-5278, or see QR code:



I acknowledge that I have been given an opportunity to review the results of this multi-family property's energy audit conducted in accordance with Austin City Code, Chapter 6-7.

\_\_\_\_\_  
Signature/Date

\_\_\_\_\_  
Owner's Representative

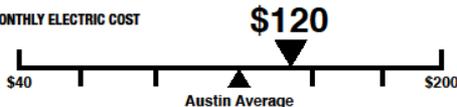


Austin City Code Chapter 6-7, Energy Conservation

**2013**

## ENERGY GUIDE FOR PROSPECTIVE TENANTS

**ESTIMATED MONTHLY ELECTRIC COST**



Austin Average

**\$120**

**THIS PROPERTY**

This graph above represents the range of electric costs for Austin properties of a similar type to this one.

This property is:

- all electric
- built before 1985
- 800 sq. ft. average apartment size

Cost information:

- is based on this facility's average size apartment,
- based on a cost of \$0.10 per kWh, and
- is updated annually.

**1,200 kWh**

**ESTIMATED MONTHLY ELECTRIC USE**

For details, visit the web site [austinenrgy.com/go/ECAD](http://austinenrgy.com/go/ECAD), call 482-5278 or see QR Code:



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**ENERGY AUDIT RESULTS FOR THIS PROPERTY:**

4321 APARTMENT AVENUE, AUSTIN, TX 78700

STREET ADDRESS

ENERGY EFFICIENCY MEASURES EVALUATED	AUSTIN ENERGY RECOMMENDS	AUDIT RESULTS (AVERAGED)
Air Duct System	Less Than 15%	44% Leakage
Attic or Roof	Between R22-R30	R-14
Solar Screens or Window Film	On all East, South and West Windows	Complete

\*Average\* values are calculated from results obtained from multiple buildings and systems.

CONSTRUCTION YEAR: 1978, 1982    ENERGY UTILITIES: All Electric    ENERGY AUDIT CONDUCTED BY: A Qualified Auditor  
NUMBER OF UNITS: 57    DATE OF ENERGY AUDIT: September, 2011    DATE OF DISCLOSURE NOTICE: June 30, 2011

I acknowledge that I have been given an opportunity to review the results of this multi-family property's energy audit conducted in accordance with Austin City Code, Chapter 6-7.

\_\_\_\_\_  
Signature/Date

\_\_\_\_\_  
Owner's Representative

*\* Approach to be expanded into commercial market in 2015*



# Enhancements

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- Create stronger linkages with AE programs
  - Expanding successful approach of Multifamily into Commercial Offerings
  - Demonstrate leadership with City Buildings Compliance
- Simplify the data submittal process and tools
- Increase community outreach
  - Education on the value of ECAD
  - Improve relationships with groups such as Affordable Multifamily Housing and Real Estate community
  - High energy users
- Benchmark and share best practices nationally
  - Collaborate with DOE Grant Benchmarking group and Institute for Market Transformation (IMT) to advance Austin's progress





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**City of Austin - Austin Energy  
Customer Energy Solutions**

721 Barton Spring Rd.

Austin, Texas 78704-1194

p. 512.322.6327

e [debbie.kimberly@austinenergy.com](mailto:debbie.kimberly@austinenergy.com)

Twitter

[@austinenergy](https://twitter.com/austinenergy)

Facebook



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# Thank You!